

Listing of Claims:

1. (Currently Amended) An optical sheet to be used as a screen on which an image is projected from an image projector, comprising:

optical sheet members which are substantially identical and
5 which each have a major surface, and whose optical properties over the respective major surfaces vary cyclically along a first direction and are substantially identical along a second direction orthogonal to the first direction;

wherein a region of the major surface of each of the optical
10 sheet members ~~where said optical properties are substantially identical has an undulated portion~~ includes undulations extending along the second direction;

wherein said optical sheet is produced by joining the plurality of optical sheet members with respective end surfaces
15 thereof which are substantially perpendicular to the respective major surfaces thereof meeting each other as joint surfaces; and

wherein the undulations of respective ones of the optical sheet members meeting at the joint surfaces have ~~undulations~~
~~whose~~ phases which are synchronized with each other so that
20 optical properties of the joint surfaces are substantially identical to each other within a predetermined permissible range.

2. (Previously Presented) The optical sheet according to Claim 1, wherein the cyclically varying optical properties are attained by making surfaces of the optical sheet members which contain the respective major surfaces, cyclically concave-convex in a direction of height of the optical sheet members perpendicular to the respective major surfaces.

3. (Previously Presented) The optical sheet according to Claim 1, wherein a magnitude of the undulations corresponds to 2 pitches or less and a basic cycle of variation of the optical properties of the optical sheet members in the first direction corresponds to 1 pitch.

4. (Previously Presented) The optical sheet according to Claim 1, wherein:

the optical sheet members are joined with a transparent adhesive sandwiched between the joint surfaces thereof;

a basic cycle of variation of the optical properties of the optical sheet members in the first direction corresponds to 1 pitch; and

the transparent adhesive is applied to the surfaces of the optical sheet members, which contain the major surfaces thereof, over a width corresponding to a range from 1 pitch to 5 pitches across the joint surfaces, and then hardened.

5. (Previously Presented) The optical sheet according to Claim 1, wherein:

a roughness of the joint surfaces of the optical sheet members is $R_{max} \leq 0.8 S$ or less;

5 the optical sheet members are joined with a transparent adhesive sandwiched between the joint surfaces thereof; and the adhesive is hardened.

6. (Previously Presented) The optical sheet according to Claim 1, wherein the predetermined permissible range within which the optical properties of the joint surfaces are regarded to be substantially identical to each other signifies that a difference
5 between the optical properties falls within 50 % of a cyclic variation of the optical properties.

7. (Previously Presented) The optical sheet according to Claim 2, wherein the predetermined permissible range within which the optical properties of the joint surfaces are regarded to be substantially identical to each other signifies that a magnitude
5 of a mismatch in a direction of height of the joint surfaces between the end surfaces of the optical sheet members falls within 50 % of an amplitude of the cyclically concave-convex surfaces of the optical sheet members.

8. (Previously Presented) The optical sheet according to Claim 1, wherein the phases of undulations are synchronized in order to make the optical properties substantially identical to each other within the predetermined permissible range by pairing
5 respective ones of the optical sheet members that have undulations extended in substantially a same direction relative to the joint surfaces thereof.

9. (Previously Presented) The optical sheet according to Claim 1, wherein the undulations are phased in order to make the optical properties of optical sheet members substantially identical to each other within the predetermined permissible
5 range by pairing respective ones of the optical sheet members that have undulations extended in substantially symmetrical directions relative to the joint surfaces thereof.

Claims 10 and 11 (Canceled).